

IN THE CLAIMS:

The following claim listing is meant to replace all previous claim listings:

LISTING OF CLAIMS

1 to 27: (Canceled).

28. (Withdrawn) A DNA according to claim 27, wherein said polypeptide has an amino acid sequence selected from the group consisting of the amino acid sequence of Figure 9 (SEQ ID NO.: 43) and the amino acid sequence of Figure 10 (SEQ ID NO.: 47).

29. (Withdrawn) A DNA encoding a polypeptide consisting of amino acid sequence (SEQ ID NO.: 19, 20, 21, 22 Or 23) or an epitope effective portion thereof.

30. (Withdrawn) A DNA encoding a polypeptide according to claim 29, wherein said polypeptide is preceded by one or more of the amino acid sequences of (SEQ ID NOs: 2 to 18), wherein X₁ is Ser or Arg; X₂ is Glu or Asp; X₃ is Arg or Leu and X₄ is Glu or Gly.

31. (Currently Amended) An isolated DNA encoding a polypeptide, wherein said polypeptide has an amino acid sequence consisting of the amino acid sequence of (SEQ ID NO: 38).

32. (Currently Amended) An isolated DNA encoding a polypeptide comprising at least one epitope of *P. falciparum* Liver Stage Antigen (LSA), wherein said polypeptide has consists of an amino acid sequence ~~consisting of~~ the first 153 amino acids of the amino acid sequence of (SEQ ID NO: 38), or an epitope effective portion thereof.

33. (Currently Amended) The isolated DNA according to claim 31, wherein said

polypeptide is preceded by one or more of the amino acid sequences of {SEQ ID NOs: 2}, wherein X₁ is Ser; X₂ is Glu; X₃ is Arg and X₄ is Glu.

34. (Withdrawn) A DNA according to claim 32, wherein said polypeptide is followed by one or more of the amino acid sequences of (SEQ ID NOs: 2-18), wherein wherein X₁ is Ser or Arg; X₂ is Glu or Asp; X₃ is Arg or Leu and X₄ is Glu or Gly.
35. (Previously Presented) The isolated DNA according to claim 31, further comprising DNA encoding at least one B epitope from a liver-stage specific protein produced by *P. falciparum*.
36. (Withdrawn) A DNA encoding a polypeptide consisting of the last 279 amino acids of the amino acid sequence of (SEQ ID NO: 45) or an epitope effective portion thereof.
37. (Currently Amended) The isolated DNA encoding a polypeptide according to claim, 32, wherein said polypeptide is linked to one or several amino acids of one or more peptides other than a *P. falciparum* Liver Stage Antigen.
38. (Previously Presented) The isolated DNA according to claim 32, further comprising DNA encoding at least one B epitope from a liver-stage specific protein produced by *P. falciparum*.
39. (New) An isolated DNA encoding a polypeptide comprising at least one epitope of *P. falciparum* Liver Stage Antigen (LSA), wherein said polypeptide consists of an amino acid sequence of the first 153 amino acids of the amino acid sequence of SEQ ID NO:38.
40. (New) The isolated DNA encoding a polypeptide according to claim 39, wherein said polypeptide is linked to one or several amino acids of one or more peptides other than a *P. falciparum* Liver Stage Antigen.

41. (New) The isolated DNA according to claim 39, further comprising DNA encoding at least one B epitope from a liver-stage specific protein produced by *P. falciparum*.

IN THE FIGURES:

Attached hereto are Appendices A and B. Appendix A is a clean copy of Figures 1 and 3, marked as "Replacement Sheet". Appendix B is a marked-up copy of Figure 3 (marked as "Annotated Sheet") showing changes based upon the last entered set of Figures dated September 2006, pursuant to Applicants' teleconference with the Examiner on August 6, 2007.

Please enter the Replacement Sheets for Figure 1 and 3 into the application.